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hole, that the implant threading has a slight conicity which extends along most or part of the length of the implant and which cooperates with a circular cylindrical hole in the bone substance to effect greater forcing out of the bone substance at the outer parts of the hole than at the inner parts of the hole, the degree of forcing out being adapted in relation to the softness of the bone substance in order to achieve the reliable anchoring, and that said conical threading comprises two or more thread spirals [(thread entries)] which provide a tight threading which permits effective integration with the bone substance during the healing-in process and counteracts deformation or breaking-up of fine bone trabeculae which surround the hole in the bone.

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2. (Amended) Implant according to claim 1, wherein the implant threading is arranged to ensure that the pressure between the bone substance and the implant has essentially a constant or slightly increasing value during the greater part of the operation of screwing the implant into the hole.

3. (Twice Amended) Implant according to claim 1, wherein the front portion of the implant is designed with a conical thread which has a conicity essentially exceeding the conicity of the slightly conical thread.

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4. (Amended) Implant according to claim 3, wherein the conicity of the slightly conical thread is chosen between 0.1 - 0.4 mm or has an angle of inclination of about 0.5 - 2°, and/or the thread conicity of the thread at the said front portion of the implant is of the order of 0.4 - 0.8 mm or with an angle of inclination of about 10 - 15°, and the front portion of the implant has a length or height of about 10 - 30% of the length of the threaded part of the implant.

5. (Amended) Implant according to claim 1, wherein the implant threading along at least part of the longitudinal direction of the implant is given a noncircular or

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eccentric configuration for the purpose of obtaining improved rotational stability of the implant in the recently inserted state or the incorporated state of the implant in the bone substance.

6. (Amended) Implant according to claim 5, wherein the implant is arranged with a minimum diameter which corresponds to or is slightly greater than the diameter of the hole in the bone substance.

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7. (Twice Amended) Implant according to claim 1, wherein the front portion of the implant has a circular or concentric thread which merges gradually into a non-circular or eccentric thread on the remaining part or parts of the implant.

8. (Twice Amended) Implant according to claim 1, wherein the peripheris of the different non-circular or eccentric thread cross-sections have bevelled corners.

9. (Twice Amended) Implant according to claim 1, wherein the non-circularity is arranged such that areas of maximum diameter are displaced in the peripheral direction from one thread turn to the next thread turn.

10. (Amended) Implant according to claim 1, wherein the number of thread spirals is two, three or four.

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11. (Amended) Implant according to claim 10, wherein the number of thread spirals is adapted to the number of cutting edges so that symmetrical cutting forces are obtained.

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12. (Twice Amended) Implant according to claim 10, wherein two thread spirals are arranged on the implant together with two or four cutting edges, or in that three thread spirals are arranged together with three cutting edges.

13. (New) Implant according to claim 1, wherein the bone substance is a jaw-bone.

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14. (New) Implant according to claim 1, wherein the bone substance is soft.

15. (New) Implant according to claim 5, wherein the implant is arranged with a minimum diameter that is 1-5% greater than the diameter of the hole in the bone substance.

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16. (New) Implant according to claim 10, wherein four thread spirals are arranged together with four cutting edges.

REMARKS

Withdrawal of the rejection of claims 1-12 which were rejected under 35 U.S.C. 112, second paragraph, as being indefinite is requested. The claims have been amended for clarity.

Withdrawal of the rejection of claims 1-12 which were rejected under 35 U.S.C. 102(b) as being anticipated by O'Brien is requested.

Amended independent Claim 1 recites, inter alia, a threaded implant where "the implant threading has a slight conicity which extends along most or part of the length of the implant" (emphasis added) and where "said conical threading comprises two or more thread spirals".

The Office Action indicates that O'Brien suggests "a threaded implant 10 which is tapered and has two different types of threads for cutting into different types of bone tissue". O'Brien suggests an "implant body 10 [that] has a coronal end 18, a distal end 20, a longitudinal axis 28, and a plurality of segments 34 [disposed] proximate to the